

## Waste water filtering and recycling system

### **ABSTRACT OF THE DISCLOSURE:**

The present invention is a system being used for filtering and recycling the waste water collected and stored in a recuperating tank, and which a pump moves the waste water out of the recuperating tank via a water outlet with valve and a recuperating return line through a liquid filtration system, a ground water filter, a separator that separates oil from the water for directing it via a conduit and through a main drain, and thereafter discharged into a conventional septic tank or municipal sewage.

Furthermore, the recycled water circulating through separator is directed via a second pump for keeping the water pressure through a fading water filter, a recycled water line for supplying a tank transferring water via a toilet and laundry, and through from the recycled water feeding system.

The recycled water being used for flushing toilet will be directed toward a conduit via the main drain, and thereafter discharged into the conventional septic tank or municipal sewage.

Thereafter, the recycled and filtered water circulating through the recuperating return line is directed via a sterilizer before to be pre-heated in turning around a heater tank which is supplied thereby this recuperating

return line, and thereafter the recycled water is directed via a recycled hot water line and through each water inlet with valve supplying each sink, a shower and tub, and a dishwasher through a booster raising the water temperature when needed for dishwashing.

The recuperating tank has a threaded cap and a conduit with valve for enabling the cleaning operation and draining the surplus of body wastes accumulated onto the walls and in bottom of the recuperating tank via the main drain, and thereafter discharged into the conventional septic tank or municipal sewage.

A cold water line coupled to a municipal water entering or artesian well, is directed via each water inlet with valve supplying when needed the sinks, shower and tub, or enabling shut off water for maintenance or reparation.

The recuperating tank includes also an overflow line for removing the surplus of waste water from the recuperating tank via the main drain, and thereafter discharged into the conventional septic tank and municipal sewage.